

SIEMENS



www.siemens.com/S3000

Pioneering the future
of general imaging.

ACUSON S3000 Ultrasound System

Answers for life.



Welcome to the Family.



“

We are thrilled you have selected Siemens as your general imaging industry partner, and are taking a step forward in medical imaging technology.

The ACUSON S3000™ ultrasound system delivers our highest performance imaging platform and provides access to the latest Siemens pioneering technology.

The ACUSON S3000 system brings the future of ultrasound today, powered by SieStream Core Architecture, supported by over six decades of Siemens' ultrasound innovations.

I believe the ACUSON S3000 system will empower you to make amazing discoveries in general imaging that will improve outcomes for patients worldwide.







It's what we call Answers for Life.

”

Jeffrey Bundy
CEO of Ultrasound



Table of Contents

	Introduction ACUSON S3000 System	2
	Workflow Excellence Multi-modality Review	4
	Practical Technology eSieFusion Imaging	10
	3D Navigational Support eSie Guide Needle Tracking	14
	Increased Diagnostic Confidence Virtual Touch IQ*	18
	Superior Image Quality HD Transducers	22

* Not commercially available in the USA.



The Gateway to Siemens

Pioneering technology
now and in the future.

The ACUSON S3000™ ultrasound system is the gateway to Siemens pioneering technology now and into the future.

This ultra-premium platform delivers excellence in workflow, superior image quality, increased diagnostic confidence, and access to the latest innovative technologies.

Delivering premium performance and extraordinary technologies, the ACUSON S3000 system distinguishes Siemens ultrasound as a leader in General Imaging providing Answers for Life.

ACUSON S3000
SIEMENS
Ultrasound Systems

ACUSON S3000 Ultrasound System





See More. Compare More. Deliver More.

It has never been easier or more streamlined to compare historical DICOM images from other modalities with ultrasound. Multi-modality Review on the ACUSON S3000 system enables you to simultaneously view Computed Tomography (CT), Magnetic Resonance (MR), Automated Breast Volume Scanner (ABVS) and Mammography images side by side with real-time Ultrasound images.

Rather than having to transfer to a separate workstation, you can quickly access previously acquired images from the ACUSON S3000 system for comparative review against live imaging to improve the efficiency of follow-up exams.



Clinical Benefits

Facilitate more efficient follow-up exams comparing historic and real-time regions of interest.



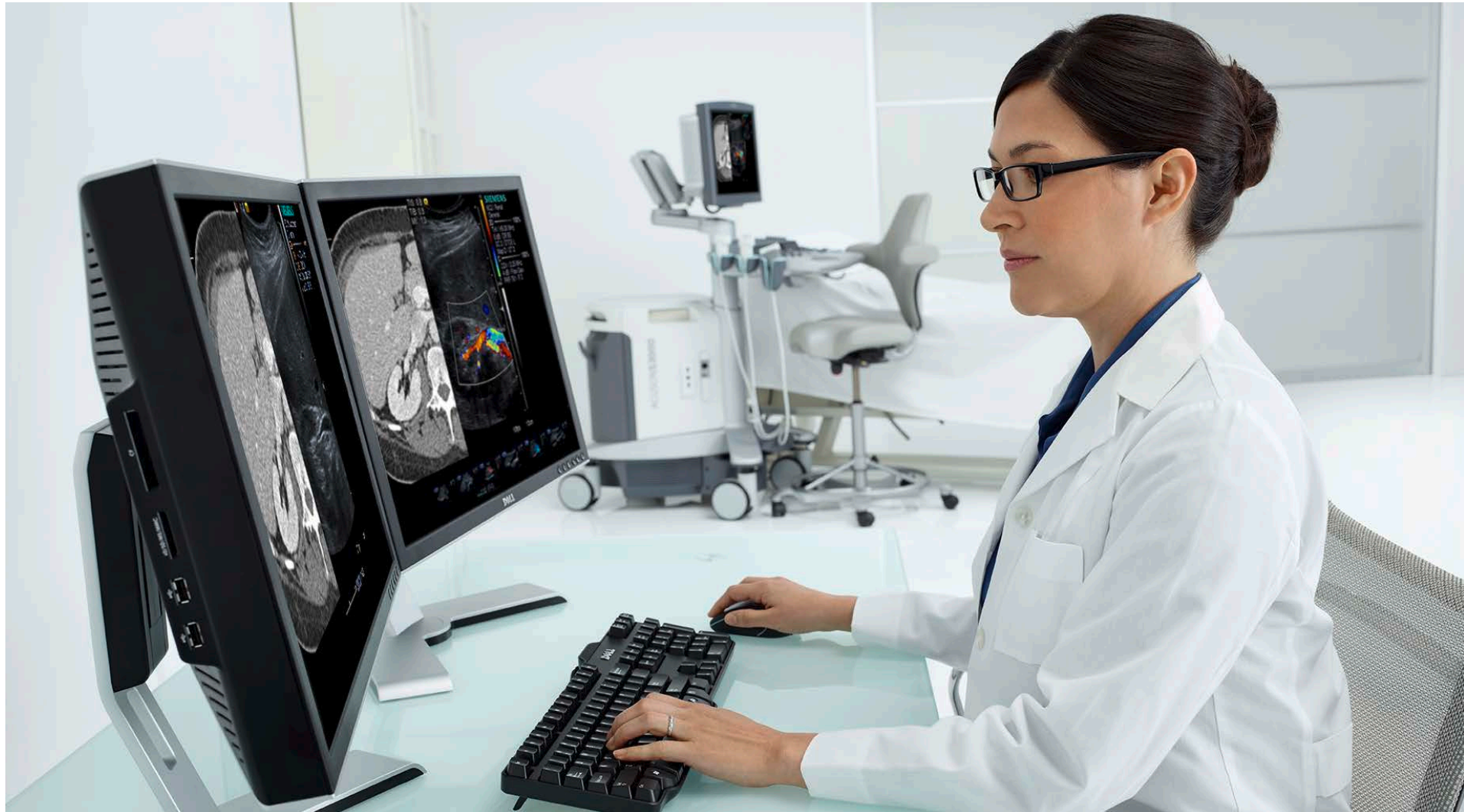
Workflow Benefits

Save time by reviewing CT, MR, Mammography, and Ultrasound images on your system instead of on your workstation.



Financial Benefits

Reduce unnecessary workstation imaging review equipment.

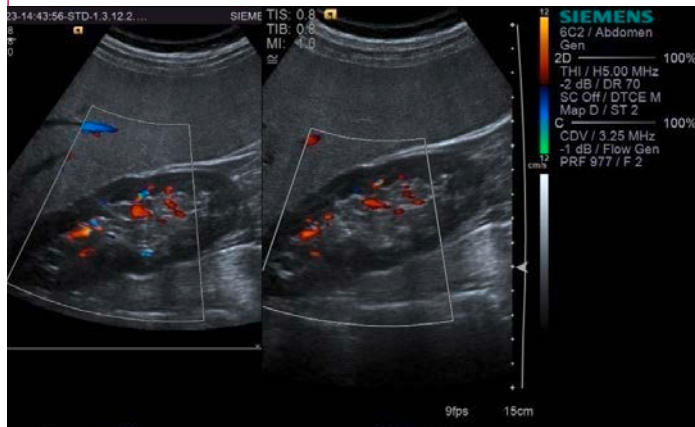




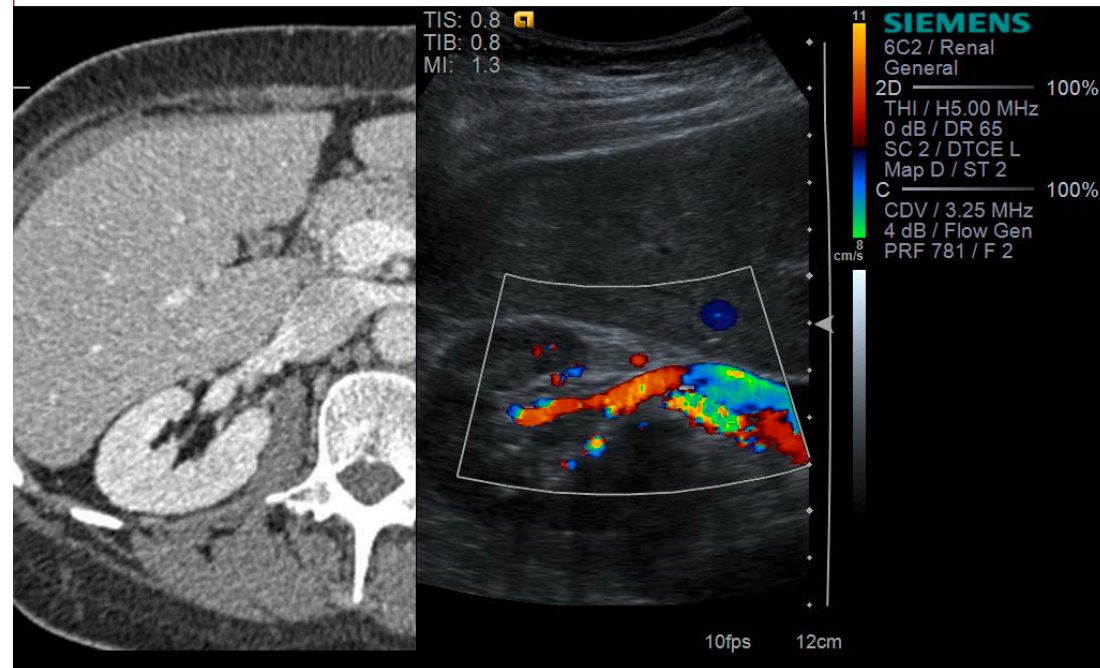
Achieve Workflow Excellence

Compare historical CT, MRI, ABVS, or US.

Ultrasound-to-Ultrasound



Computed Tomography-to-Ultrasound

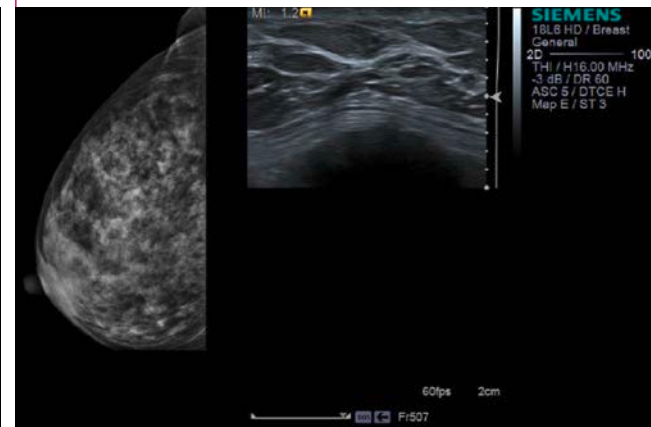




MRI-to-Ultrasound



Mammogram-to-Ultrasound

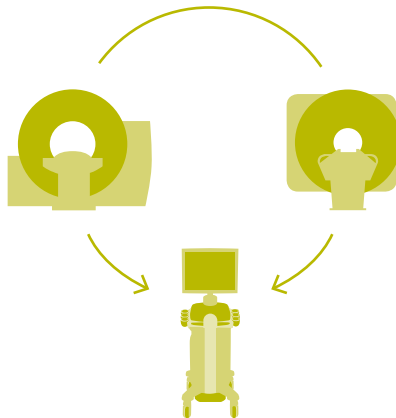




Transform Routine Clinical Medicine

Fusion that's fast, flexible, practical.

With eSieFusion™ Imaging on the ACUSON S3000 system, fusion can now be easily integrated into routine clinical applications to dramatically enhance diagnostic confidence in complex cases.



Siemens fusion technology solves one of the most difficult and time-consuming parts of fusion workflow – 3D alignment (merging static multi-modality volumes to real-time ultrasound).

eSieFusion imaging supports manual and point-based 3D volume alignment methods as well as automatic alignment of CT volumes with a single click. Automatic 3D alignment can reduce fusion examination time significantly.



Clinical Benefits

Increase diagnostic confidence when interpreting complex pathology.



Workflow Benefits

Triage CT and MR follow-ups for reduction in dose exposure.



Financial Benefits

Reduce unnecessary follow-ups with expensive imaging modalities.





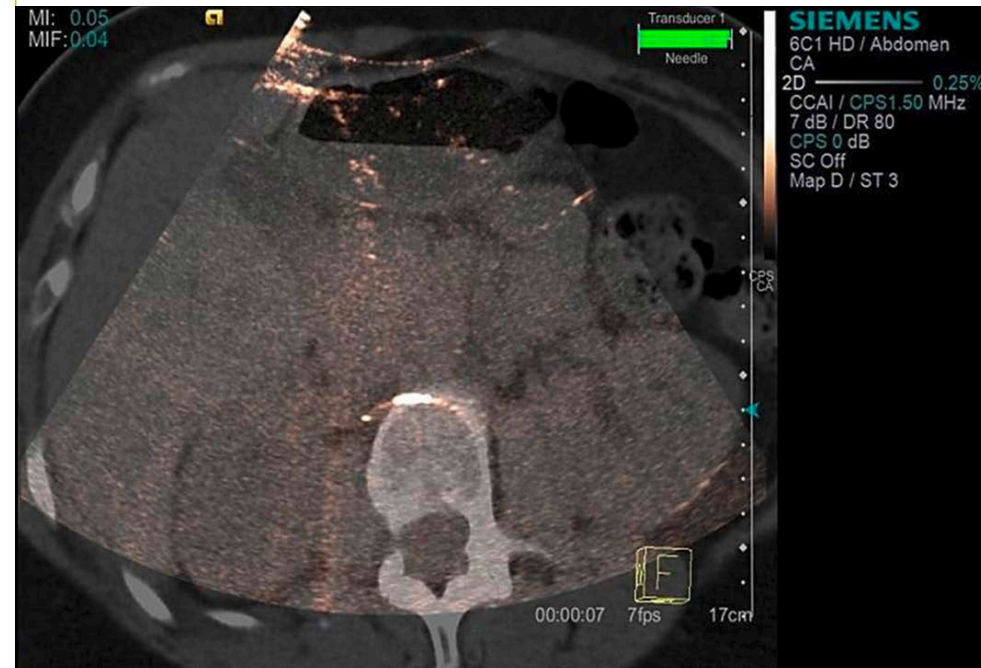
Technology Made Practical

Diagnose complex pathology by merging CT or MRI with Real-time Ultrasound

Phantom CT with 3D Landmarker Fused with Real-time Ultrasound



Contrast Enhanced Ultrasound*



* Not commercially available in the USA. At the time of publication, the U.S. Food and Drug Administration has cleared ultrasound contrast agents only for use in LVO. Check current regulations for the country in which you are using this system for contrast agent clearance.

Courtesy of Dr. Dirk-André Clevert – Munich Germany.

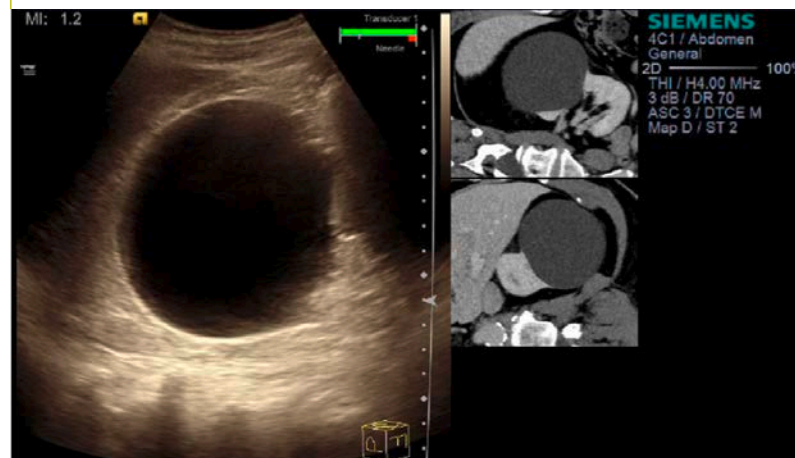


Perform Fusion More Practically for Liver and Renal Pathology



Courtesy of Dr. Dirk-André Clevert – Munich Germany.

Large Renal Cyst with CT Fused with Ultrasound



Courtesy of Dr. Dirk-André Clevert – Munich Germany.



3D Navigational Support

Real-time directional guidance. Real-time insight.

The ACUSON S3000 system features Siemens' innovative eSie Guide Needle Tracking technology. It displays real-time needle progression on-screen and allows you to add markers to align the needle

to lesions, reducing risks in biopsies and ablation procedures. The technology provides real-time directional guidance of how the needle is oriented and located proximal to the region of interest.



Clinical Benefits

Reduce risk of biopsy and ablation procedures.



Workflow Benefits

Quickly align needle position and orientation to pathology.



Financial Benefits

Reduce expenditures from potential interventional complications.

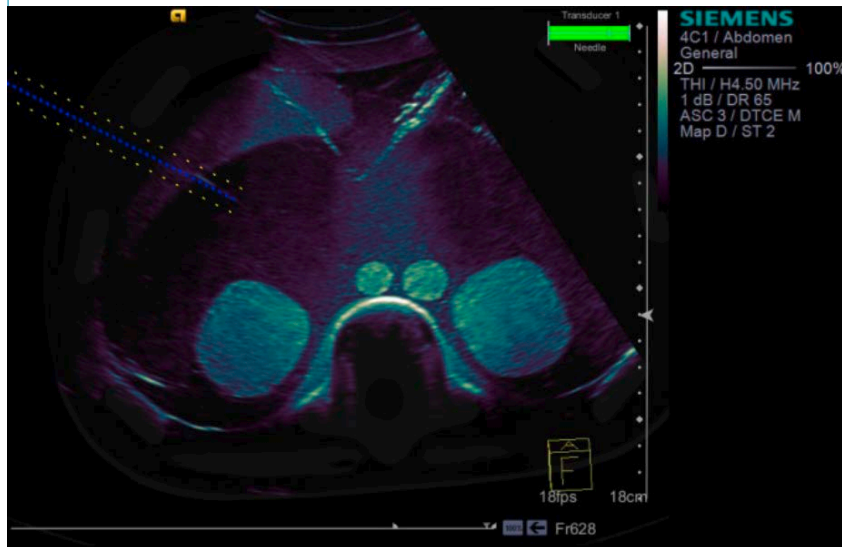




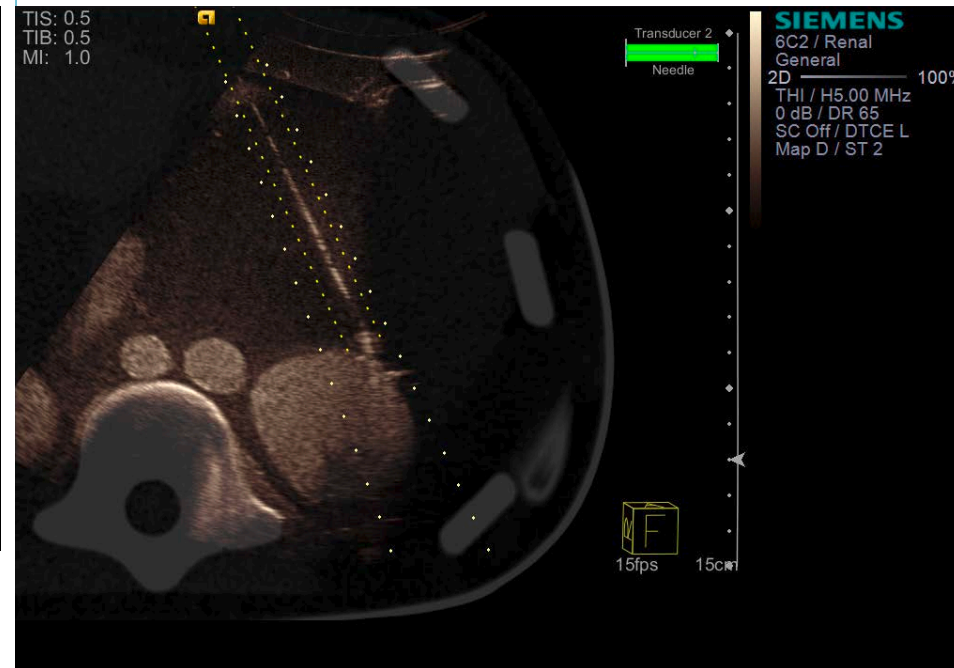
3D Navigation for Biopsies & Ablations

Plan 3D markers to align needle-to-lesions.

Color-coded Navigation*



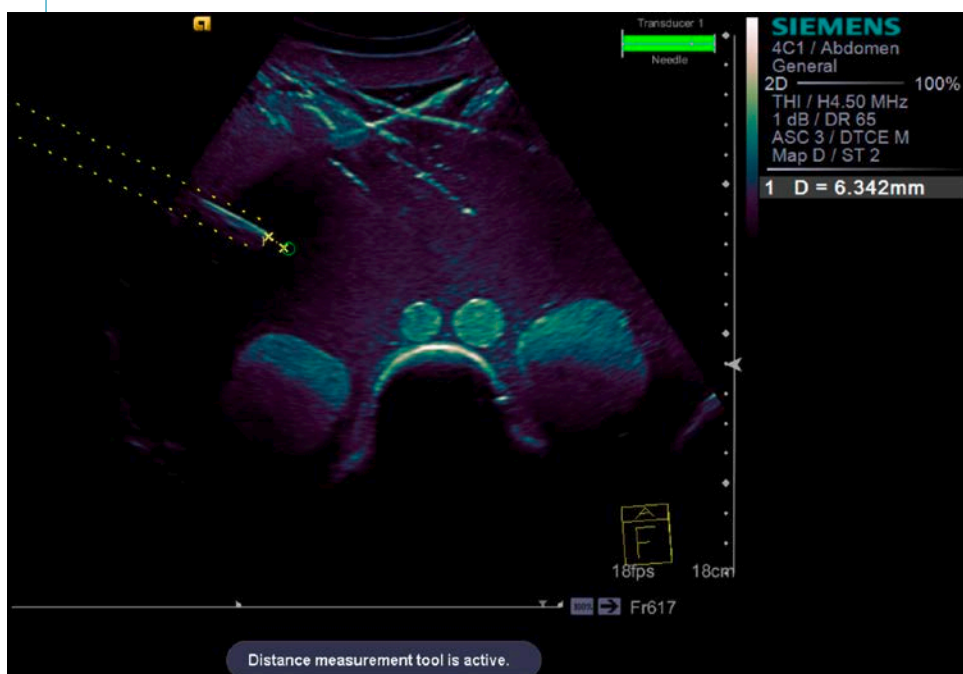
Plan Needle Location and Orientation*



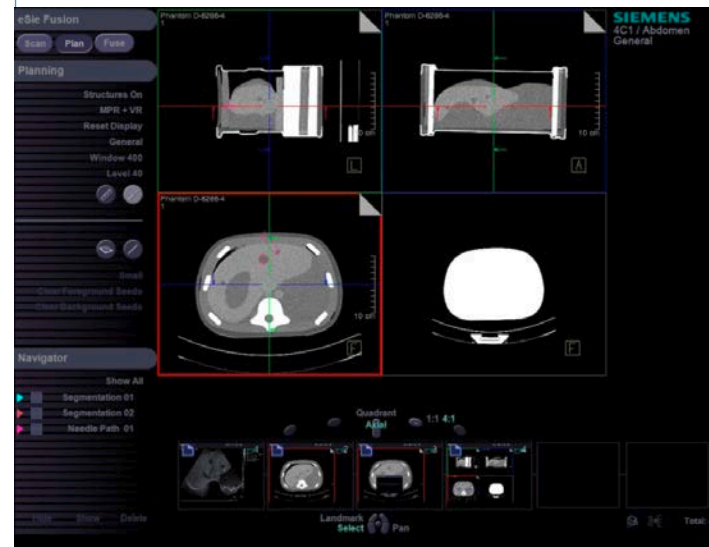
* Simulated needle-guided procedure on phantom



Distance Measurement Tools*



Mark up with 3D Landmarkers in the Plan Mode



* Simulated needle-guided procedure on phantom



Increase Diagnostic Confidence

Pioneering leading-edge innovations, advancing patient care.

Siemens is the pioneer in next-generation strain imaging and the ACUSON S3000 system features the most robust suite of elastography applications available on any Siemens platform. Our cutting-edge strain technologies allow you to view lesions and assess increased tissue stiffness with new levels of precision.

Together, this complete portfolio of advanced elastography and shear wave applications using ARFI* provides qualitative and quantitative diagnosis validation, putting you on the leading edge of innovation and increased patient care.

Virtual Touch™ Imaging* (VTI), and Virtual Touch Quantification* create color-coded maps and on-screen measurements to aid the diagnosis of tissue.

Virtual Touch IQ* is the next generation strain application that enables simultaneous review of color-coded tissue stiffness maps, and shear wave velocity measurements.

Together, this complete portfolio of advanced elastography and shear wave applications using ARFI* provides qualitative and quantitative diagnosis validation, putting you on the leading edge of innovation and increased patient care.



Clinical Benefits

Non-invasive derived data to aid in tissue characterization.



Workflow Benefits

Adopt a full tool kit of strain solutions for a range of clinical cases.



Financial Benefits

Transfer previously purchased applications when upgrading systems.

* Not commercially available in the USA

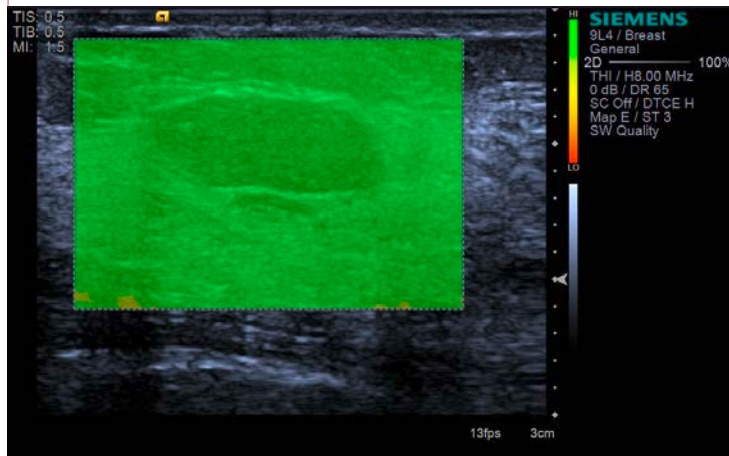




Next Generation Strain Imaging

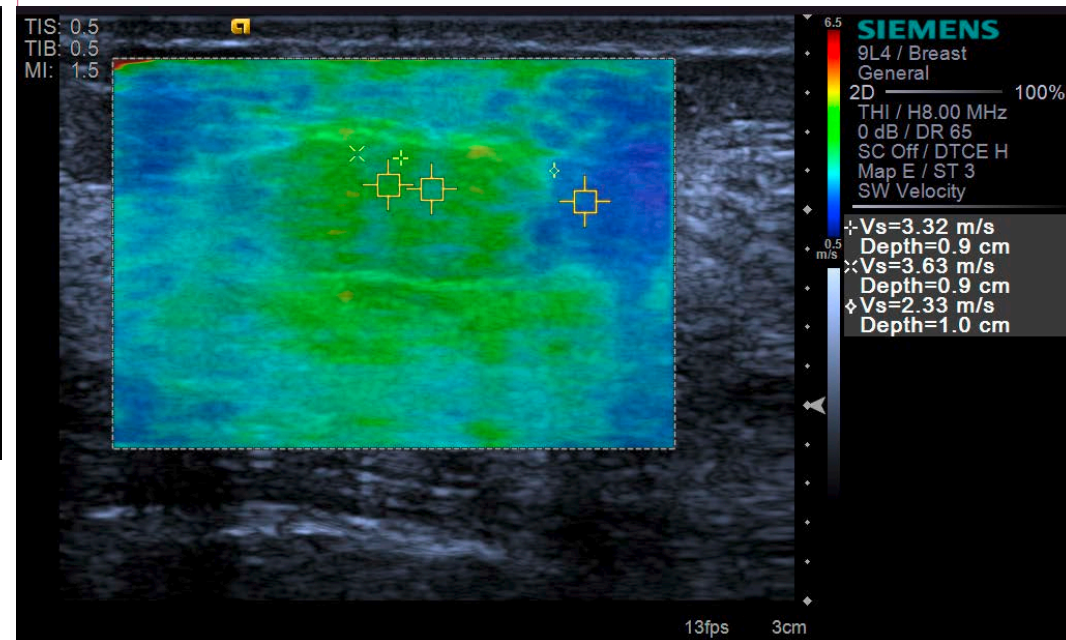
Characterize tissue stiffness.

Breast Fibroadenoma



Courtesy of Dr. Dirk-André Clevert – Munich Germany.

Velocity Mode

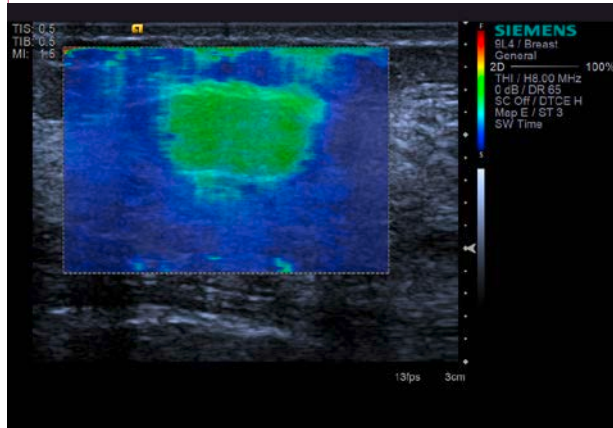


Courtesy of Dr. Dirk-André Clevert – Munich Germany.

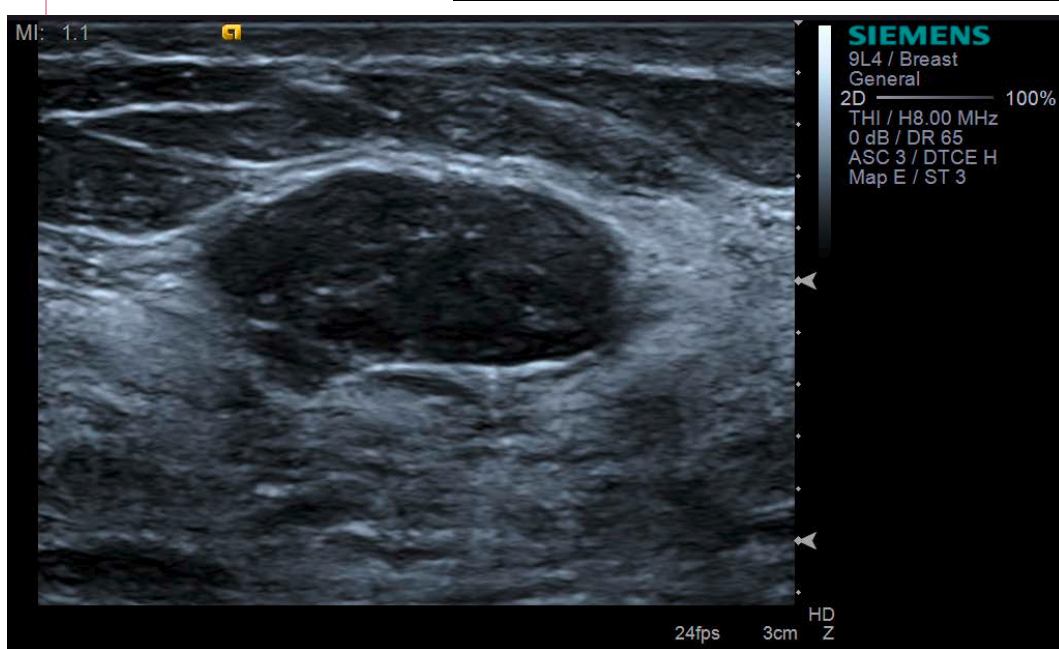
* Not commercially available in the USA



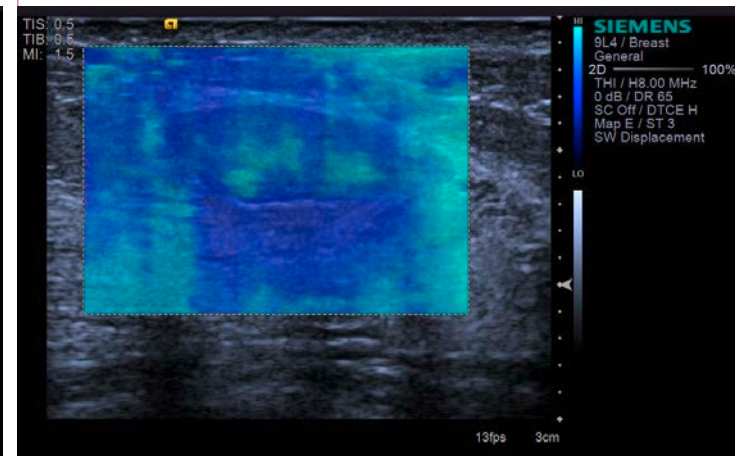
Time Mode



Quality Mode



Displacement Mode



Courtesy of Dr. Dirk-André Clevert – Munich Germany.

Courtesy of Dr. Dirk-André Clevert – Munich Germany.

* Not commercially available in the USA



HD Image Quality that Exceeds Expectations

Delivering more clinical information in every image.

The ACUSON S3000 system delivers truly amazing image quality. Proprietary Hanafy lens technology provides excellent image uniformity along the entire field of view. Micropinless (MP) transducer connector technology supports the highest signal integrity. High-density (HD) transducers employ a higher number of elements that deliver higher contrast resolution and clear tissue differentiation.

Together, these technologies combine to deliver superior image quality with noise- and clutter-free images, high contrast resolution, and clear tissue differentiation.

The 8C3 HD transducer features extraordinary image quality from a high number of elements. This transducer has an expanded field of view, up to 30%, that enables full visualization of fetal head and body at late trimester in a single image. Additionally, this transducer was ergonomically designed with a smaller footprint for improved surface contact and reduce repetitive stress injuries. The 6C1 HD transducer provides high quality abdominal imaging at depth for radiology, gynecology and obstetrics. Our best-in-class HD transducer, the 18L6 HD, delivers exceptional imaging in small parts, breast and thyroid due to a greater number of elements.



Clinical Benefits

Increased image resolution for diagnostic confidence.



Workflow Benefits

Ergonomic design may reduce repetitive stress injury.



Financial Benefits

Forward compatible across the ACUSON S Family™ ultrasound systems.



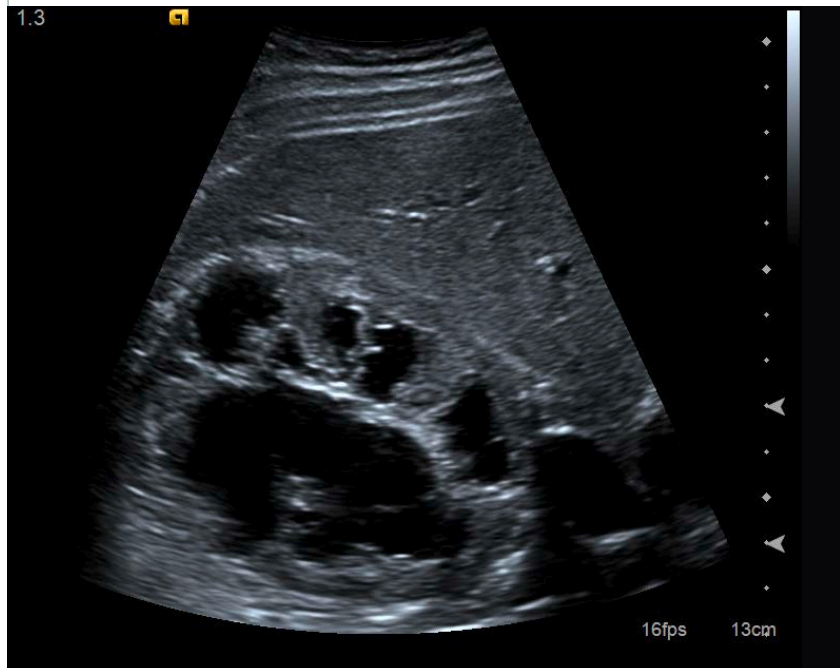


Superior Image Quality

Advanced HD technology.



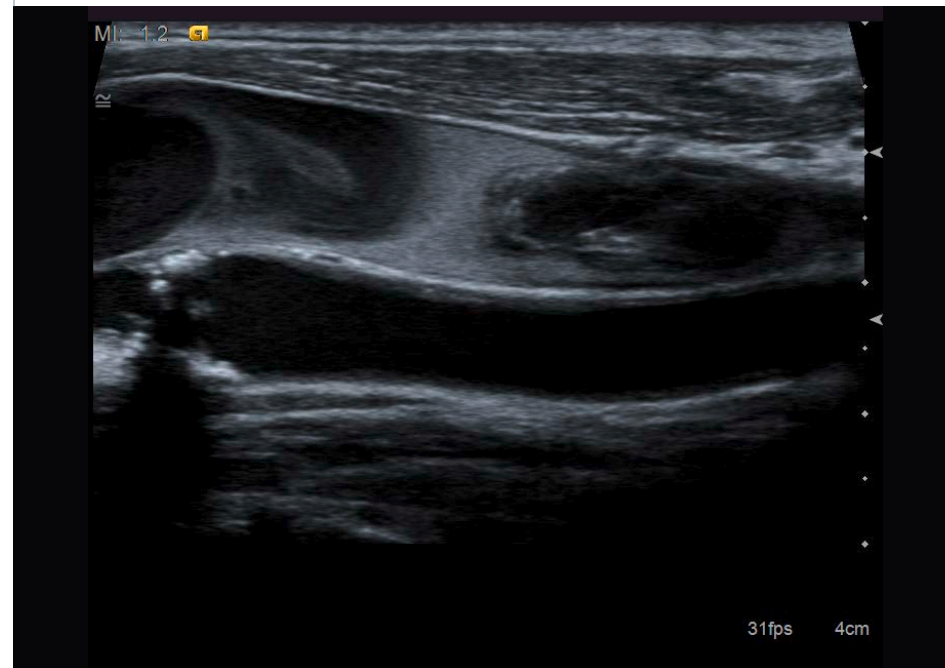
6C1 HD Transducer



Peripelvic Renal Cysts



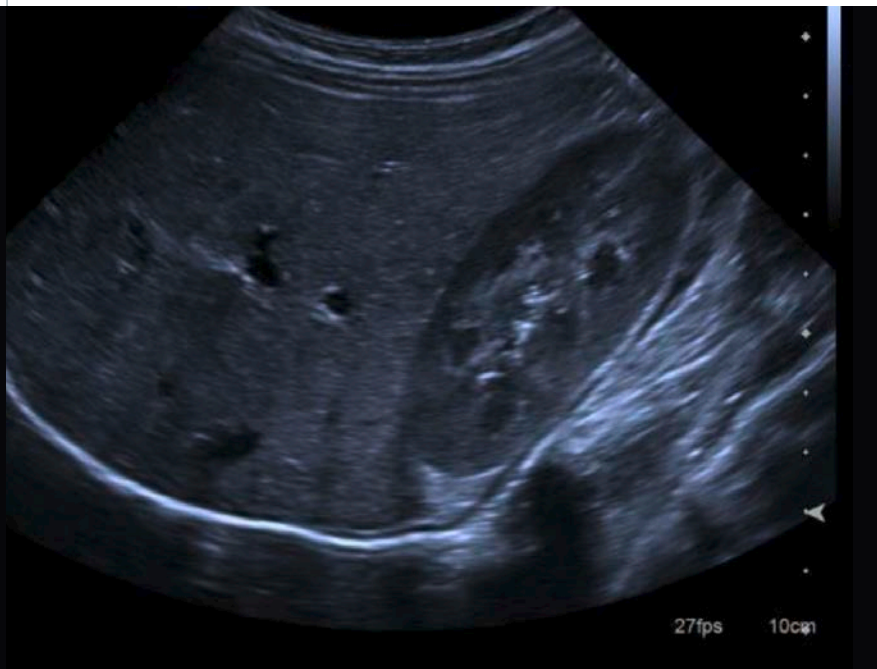
18L6 HD Transducer



Occluded Jugular Vein



8C3 HD Transducer



4-Year-Old Pediatric Abdomen

The gateway to Siemens'
pioneering technology
now and in the future.



Standalone clinical images may have been cropped to better visualize pathology.

ACUSON S3000, ACUSON S Family, eSieFusion, and Virtual Touch are trademarks of Siemens Medical Solutions USA, Inc.

QR Code® is a registered trademark of DENSO WAVE INCORPORATED.

Read the QR Code® with the QR Code reader in your mobile!



Global Siemens Headquarters

Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

Global Siemens Healthcare Headquarters

Siemens AG
Healthcare Sector
Henkestrasse 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
www.siemens.com/healthcare

Legal Manufacturer

Siemens Medical Solutions USA, Inc.
Ultrasound
685 East Middlefield Road
Mountain View, CA 94043
Phone: +1-888-826-9702
www.siemens.com/ultrasound

Order No. A91US-238-1C-4A00 | Printed in Germany | CC 200 0213X. | © 02.2013, Siemens Medical Solutions USA, Inc.

www.siemens.com/healthcare